Douglas Aircraft Company

28 February 1995 C1-Q6C-SL-95-046

California Regional Water Quality Control Board Los Angeles Region 101 Centre Plaza Drive Monterey Park, CA. 91754

Attention:

Technical Support Unit

Subject:

SUBMITTAL OF ANNUAL REPORT FOR NPDES PERMIT NO. CA

0001414 - COMPLIANCE FILE NO. 5999 FOR 1994

Attachments:

1) Tabular and Graphical Summaries of the Monitoring Data Obtained During 1994 for Discharge Location 001

- 2) Annual Summary of the Quantities of Water Treatment Chemicals Discharged During 1994
- 3) Copies of Laboratory Analyses

Gentlemen:

Douglas Aircraft Company herewith submits the annual report in accordance with the General Monitoring and Reporting Provision number 5999. The report contains tabular and graphical summaries of the monitoring data obtained during 1994 and a summary of the quantities of water treatment chemicals discharged during 1994. Copies of laboratory analyses are also attached.

All analyses were conducted by Truesdail Laboratories of Tustin, California, in accordance with the current EPA guideline procedures or as specified in the Monitoring Program.

Exceedances of oil and grease during various sampling events at the Permit Location have been attributed to the fact that this location receives little or no flow throughout the year, causing a buildup of these materials within the sampling location. Truesdail Laboratories has been instructed by Douglas Aircraft Company not to sample the location when no flow occurs.

"I declare under penalty of perjury that the foregoing is true and correct", executed on the 28th day of February, 1995.

Sincerely,

Scott Lattimore

Environmental Engineer

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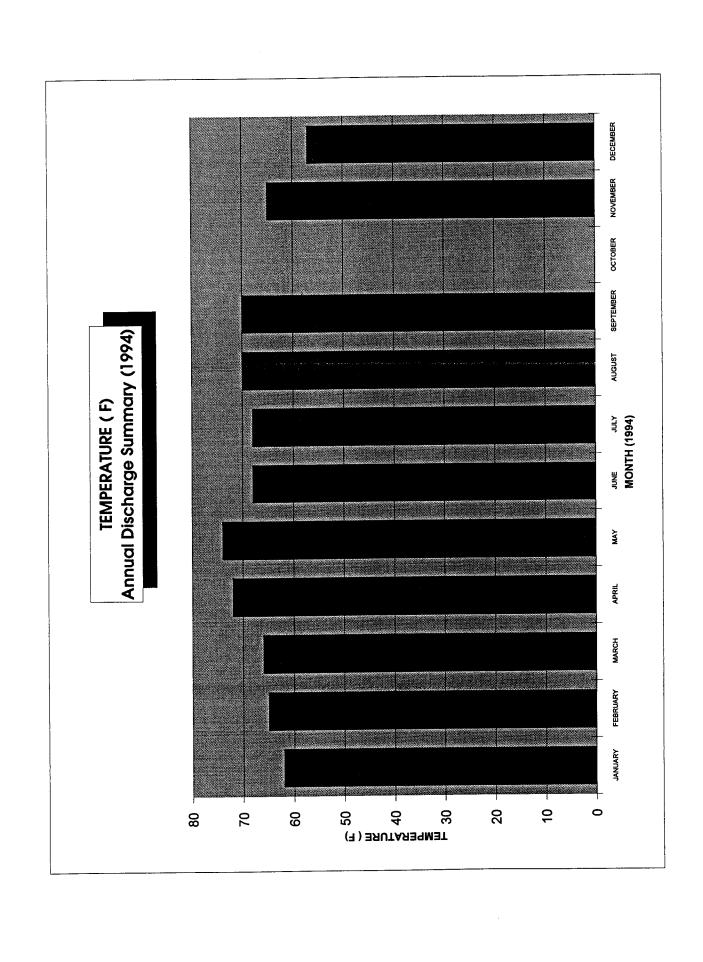
Safety, Health, and Environmental Affairs

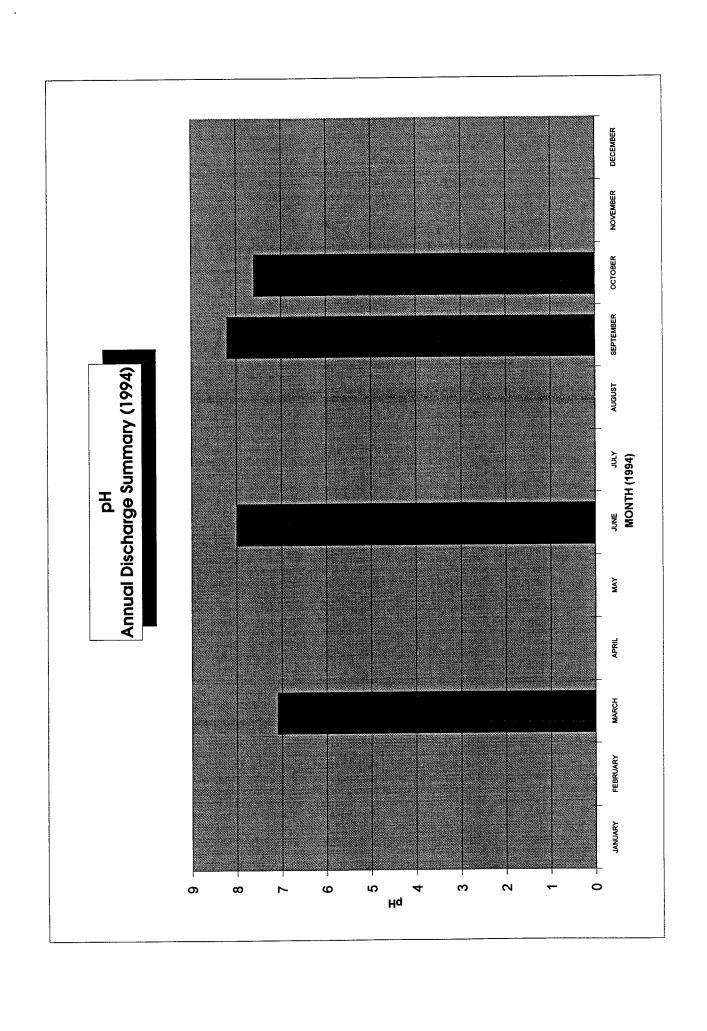
3855 Lakewood Blvd., Long Beach, CA 90846-0001 (213) 593-5511 TELEX 67-4357

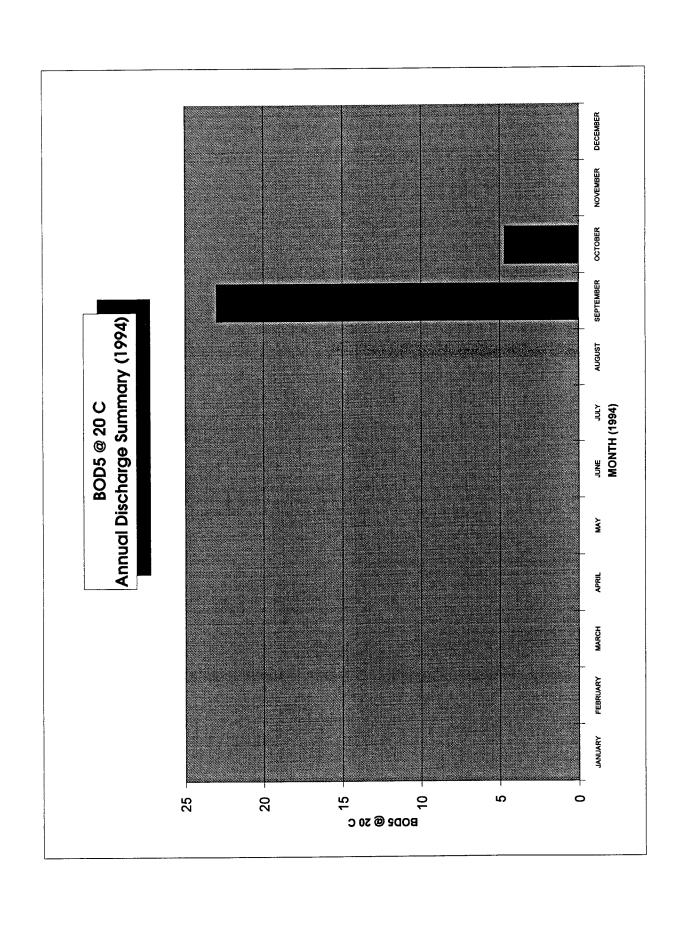
ANNUAL DISCHARGE SUMMARY NPDES #001* (1994)
DOUGLAS AIRCRAFT COMPANY TORRANCE, CA. FACILITY
NPDES CA0001414

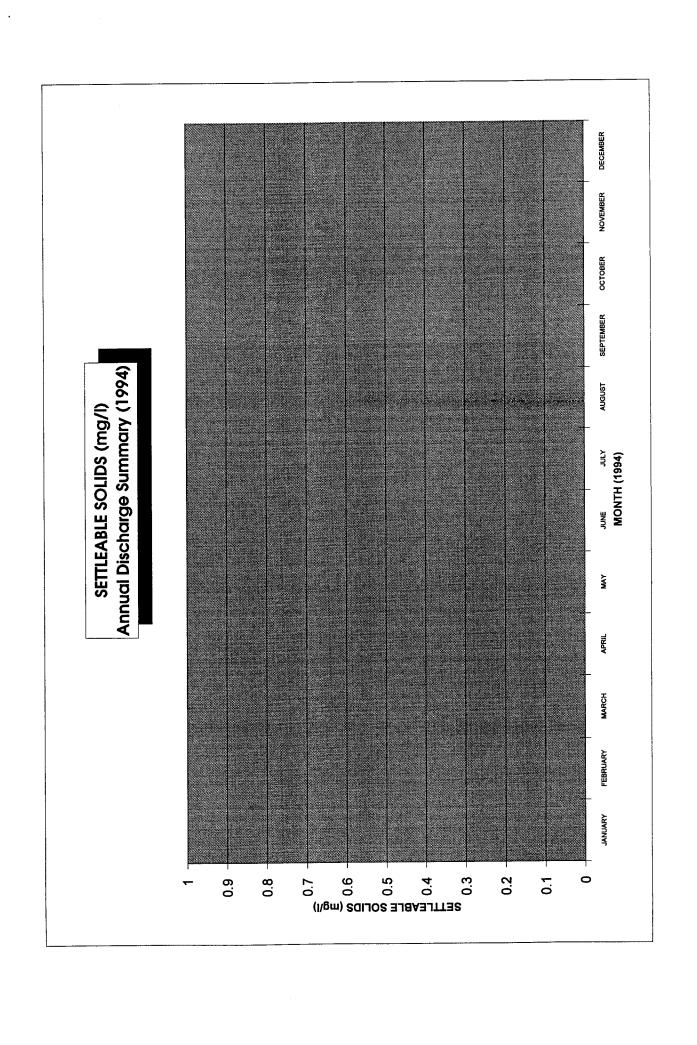
_									
۵	12/1/94	22							100
NOVEMBER	10/31/94	65							
OCTOBER	10/10/94		7.6	4.7	Q	17	49	g	
SEPTEMBER	9/13/94	0.2	8.2	23	ġ	21.7	=	2	
AUGUST	8/22/94	02	•						
JULY	7/8/94	89							
JUNE	7/7/94	89	80	2	S	11.4	10	8	
MAY	5/26/94	74							
APRIL	4/15/94	72				_			
MARCH	3/22/94	99	7.1	9	9	Q	Q.	S.	
FEBRUARY	2/25/94	65							
JANUARY	1/31/94	62							
	CONSTITUENTS	TEMPERATURE (F)	Hđ.	BOD5 @ 20 C (mg/l)	SETTLEABLE SOLIDS (ml//hr)	OIL & GREASE (mg/l)	TOTAL SUSPENDED SOLIDS (mg/l)	CHROMIUM	96 HOUR BIOASSAY (% survival)

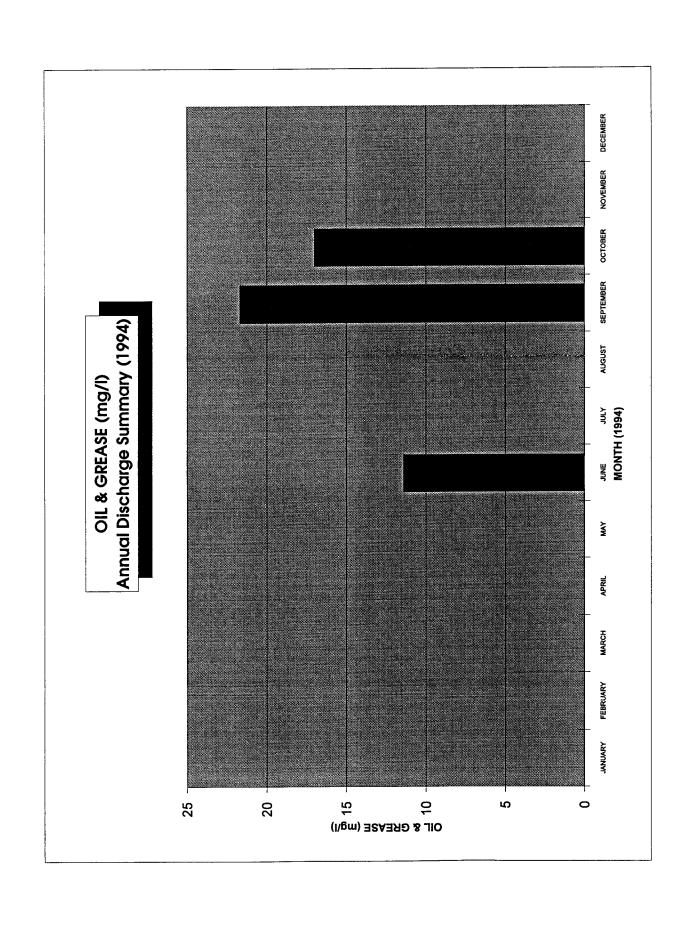
* NO FLOW WAS MEASURED AT THIS LOCATION DURING ANY SAMPLING DATE

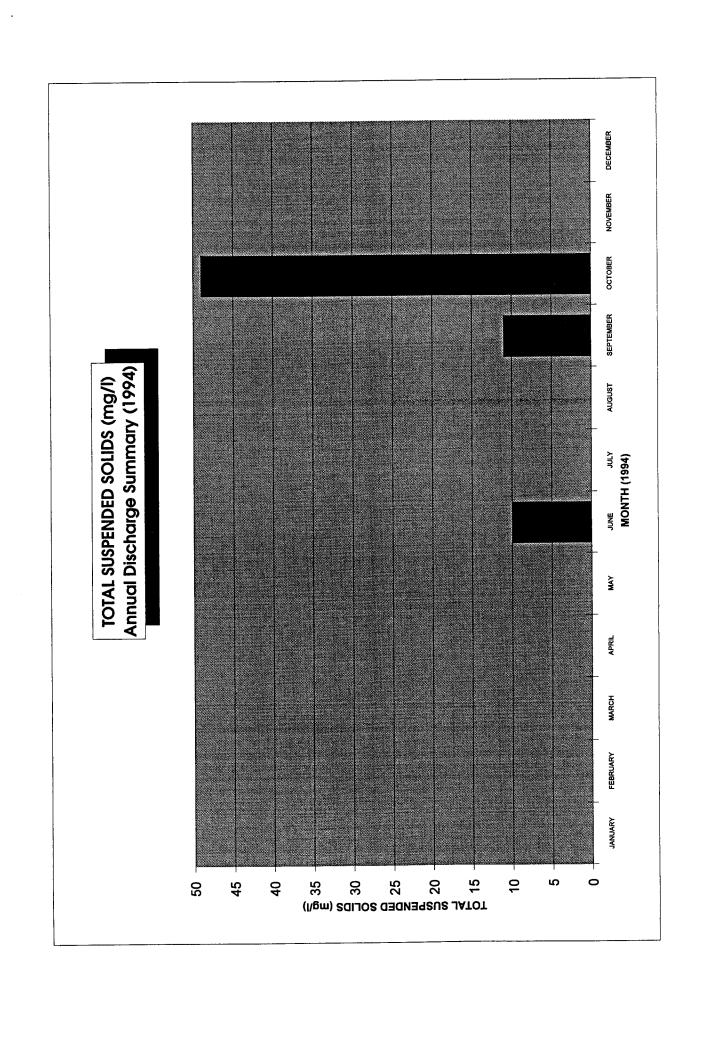


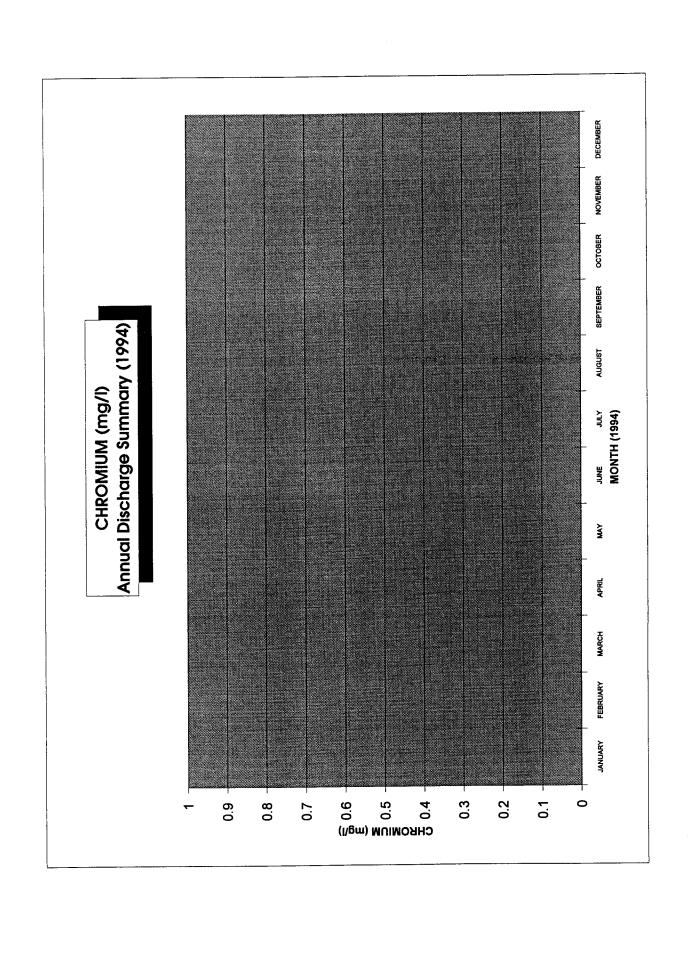












McDONNELL DOUGLAS CORPORATION Douglas Aircraft Company Cooling Tower Product Usage January 1, 1994 - December 31, 1994 Plant C-6, Torrance

Product	<u>Description</u>	<u>Gallons</u>	<u>Pounds</u>
2818	Microbiocide Stabilized Liquid	50 Chlorine	540
2827	Scale/Corrosion Organophosphonate	75	705

TRUESDAIL LABORATORIES, INC.





14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Douglas Aircraft Company

Internal Mail Code 74-41

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Boramy Ith

RECEIVED: January 31, 1994

REPORT DATE: April 12, 1994

Water from Torrance Stormdrain C-6 Facility - 1/31/94 P.O. No: T & M 25998C

> Monthly Industrial Wastewater Analysis as Required by NPDES Permit #CA0001414, January, 1994

RESULTS

Field Data

Flow, GPD

lemperature, OF

pH, Units

No Flow

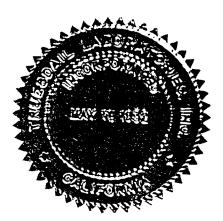
62

8.76

Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

Environmental Field Services



TRUESDAIL LABORATORIES, INC.

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CLIENT:

Douglas Aircraft Company

Internal Mail Code 74-41

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Boramy Ith

REPORT DATE: April 12, 1994

RECEIVED: February 25, 1994

Water from Torrance Stormdrain C-6 Facility - 2/25/94 P.O. No: T & M 25998C

Monthly Industrial Wastewater Analysis as Required by NPDES Permit #CA0001414, February, 1994

RESULTS

Field Data

Flow, GPD

'emperature, OF

pH, Units

No Flow

65

8.7

Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

Environmental Field Services



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CT TENIT

Douglas Aircraft Company

CLIENT:

Internal Mail Code 74-41

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Boramy Ith

REPORT DATE: March 31, 1994

RECEIVED: March 22, 1994

LABORATORY NUMBER: 68153

Water from Stormdrain #799

SAMPLE DATE: 03/21/94

First Quarter, 1994, Analysis as Required by NPDES Permit #CA0001414

RESULTS

Total Flow, GPD Temperature, OF Temperature, OF None 66 7.1

MILLIGRAMS PER LITER

PARAMETER	METHOD	DETECTION LIMIT	CONCENTRATION
Biochemical Oxygen Demand	405.1 413.1	2.0 5.0	ND ND
Oil & Grease Settleable Solids (ml/L/hr)	160.5	0.2	ND
Total Suspended Solids Chromium	160.2 200.7	4.0 0.01	ND ND

*ND= Not detected, below detection limit.

Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

Environmental Field Services

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CLIENT:

Douglas Aircraft Company

Internal Mail Code 74-41

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Boramy Ith

Water from Torrance Stormdrain

C-6 Facility - 4/15/94 P.O. No: T & M 25998C

Monthly Industrial Wastewater Analysis as Required by NPDES Permit #CA0001414, April, 1994

RESULTS

Field Data

Flow, GPD

Temperature, OF

pH, Units

No Flow

REPORT DATE: July 14, 1994

RECEIVED: April 15, 1994

72

8.3

Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

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Douglas Aircraft Company

CLIENT:

Internal Mail Code 74-41

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Boramy Ith

Water from Torrance Stormdrain

C-6 Facility - 5/26/94 P.O. No: T & M 25998C

> Monthly Industrial Wastewater Analysis as Required by NPDES Permit #CA0001414, May, 1994

RESULTS

Field Data

Flow, GPD

Temperature,

pH, Units

No Flow

REPORT DATE: July 14, 1994

RECEIVED: May 26, 1994

74

8.5

Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

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CLIENT:

Douglas Aircraft Company

Internal Mail Code C6-59 19503 South Normandie Ave.

Torrance, CA 90502

ATTN:

Boramy Ith

REPORT DATE: July 14, 1994

RECEIVED: July 7, 1994

LABORATORY NUMBER: 69730

Water from Stormdrain, Torrance Facility

P.O. No: T & M 25998C

Second Quarter, 1994, Analysis as Required by NPDES Permit #CA0001414

RESULTS

Total Flow, GPD

Temperature, OF

7H, Units (EPA 150.1)

No Flow

8.0

Parameter	Method	MILLIGRAMS PER Detection Limit	LITER Concentration
Biochemical Oxygen Demand	405.1	2.0	ND
Chromium	200.7	0.01	ND
Oil and Grease	413.1	6.0	11.4
Settleable Solids (ml/L/hr)	160.5	0.20	ND
Total Suspended Solids	160.2	4.0	10.0

*ND = Not detected below detection limit

without prior written authorization from these Laboratories.

Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager Environmental Field Services

TRUESDAIL LABORATORIES, INC.

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CLIENT:

Douglas Aircraft Company

Internal Mail Code 9-20

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Michael Binder

SAMPLE DATE: 07/08/94

PERMIT NUMBER: NPDES # CA0001414

SITE I.D. #799 Stormdrain

REPORT DATE: Sept. 27, 1994

RECEIVED: July 11, 1994

LABORATORY NUMBER: 69766

Monthly Analysis as Requested

RESULTS

¬H, Units (150.1)

8.0

Temperature,

68

*ND = Not detected, below detection limit



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

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CLIENT:

Douglas Aircraft Company

Internal Mail Code 9-20

3855 Lakewood Blvd.

Long Beach, CA 90846

ATTN:

Michael Binder

SAMPLE DATE: 08/22/94

PERMIT NUMBER: NPDES # CA0001414

Next to Site #799

REPORT DATE: Sept. 27, 1994

RECEIVED: August 22, 1994

LABORATORY NUMBER: 70487

Monthly Analysis as Requested

RESULTS

nH, Units (150.1)

8.1

Temperature, OF

70

*ND = Not detected, below detection limit



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

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CLIENT:

Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Michael Binder

SAMPLE DATE: 09/13/94

SITE ID: Torrance Stormdrain

REPORT DATE: Sept. 29, 1994

RECEIVED: Sept. 13, 1994

LABORATORY NUMBER: 70787

MONTHLY/QUARTERLY ANALYSIS AS REQUESTED

RESULTS

pH, Units (150.1) Temperature,

8.20 70

PARAMETER	METHOD	MILLIGRAMS DETECTION LIMIT	PER LITER CONCENTRATION
Biochemical Oxygen Demand	405.1	2.0	23
Chromium, Total	200.7	0.01	ND
Oil & Grease	413.1	5.0	21.7
Settleable Solids	160.5	0.1 ml/L/hr	ND
Total Suspended Solids	160.2	4.0	11

*ND = Not Detected, below detection limit



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

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CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

Long Beach, CA 90846

ATTN:

Michael Binder

SAMPLE DATE: 10/10/94

SITE I.D. Torrance Stormdrain,

Next to Site #799

REPORT DATE: October 27, 1994

RECEIVED: October 10, 1994

LABORATORY NUMBER: 71207

PERMIT NUMBER: 799

QUARTERLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow (GPD) pH, Units (150.1)

No Flow 7.60

PARAMETER	METHOD	MILLIGRAMS DETECTION LIMIT	PER LITER CONCENTRATION
Biochemical Oxygen Demand	405.1	2.0	4.7
Oil and Grease	413.1	5.0	17
Settleable Solids	160.5	0.1 ml/L/hr	ND
Total Suspended Solids	160.2	4.0	49
Chromium, Total	200.7	0.044	ND

*ND = Not Detected, below detection limit.

Respectfully Submitted, Truesdail Laboratories, Inc.

inina Blasqual for

Thomas Herrin, Manager Environmental Field Services



TRUESDAIL LABORATORIES, INC.

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564 FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd

90846 Long Beach, CA

ATTN:

Michael Binder

SAMPLE DATE: 10/31/94

SITE I.D. Torrance Stormdrain,

Next to Site #799

PERMIT NUMBER: NPDES #CA0001414

LABORATORY NUMBER: 71504

REPORT DATE: Nov. 08, 1994

RECEIVED: October 31, 1994

MONTHLY INDUSTRIAL WASTEWATER ANALYSIS, AS REQUESTED

RESULTS

Total Flow (GPD)

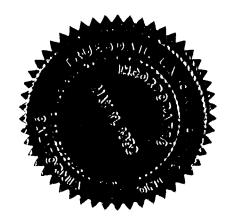
pf, Units (150.1)

Temperature, OF

No Flow

8.1

65



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

Environmental Field Services

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-1564

CLIENT:

Douglas Aircraft Company

3855 Lakewood Blvd. Long Beach, CA 90846 Attn: Scott Lattimore

SAMPLE DATE: 12/01/94

PERMIT NUMBER: NPDES # CA0001414 SITE I.D. #799, Torrance Stormdrain FAX (714) 730-6462

REPORT DATE: Dec. 15, 1994

RECEIVED: Dec. 01, 1994

LABORATORY NUMBER: 71978

Monthly Analysis as Requested

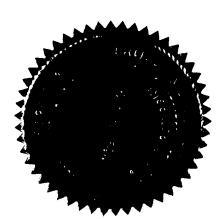
RESULTS

pH, Units (150.1)

Temperature, OF

7.46

57



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager /

Environmental Field Services

India harpey/for

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14201 FRANKLIN AVENUE TUSTIN, CALIF. 92680 (714) 730-6239 • (213) 225-156-FAX (714) 730-6462

CLIENT:

Mcdonnell Douglas Aircraft

3855 Lakewood Blvd Long Beach, CA 90846 Attn: Scott Latimore

l6 RECI

RECEIVED: Dec. 15, 1994

LABORATORY NUMBER: 77191-3

REPORT DATE: Jan. 10, 1995

SAMPLE DATE: 12/15/94

SITE I.D.: Torrance Stormdrain

INVESTIGATION: 96-Hour Percent Survival Acute Aquatic Toxicity Bioassays

RESULTS

The sample demonstrated 100% survival in the undiluted effluent for a 96-Hour LC50 greater than 100% undiluted effluent.



Respectfully Submitted, Truesdail Laboratories, Inc.

Thomas Herrin, Manager

Environmental Field Services